



# National Museum of Health and Medicine

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## Otis Historical Archives

### OHA 153 Elton Collection

**Date of Records:** 1897-1961

**Size:** 8 cubic feet, 15 boxes

**Finding Aid by:** Eric W. Boyle (2012)

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**Biographical Note:** Norman W. Elton was born on November 1, 1898 in Dorchester, Massachusetts. He received his A.B degree from Harvard College in 1920 and an M.D. from Boston University School of Medicine in 1926. Throughout the 1930s and 1940s he held positions as Pathologist at St. Joseph's Hospital in Reading, PA, Millard Fillmore Hospital in Buffalo, NY, Beverly Hospital in Beverly, MA, and the V.A. Hospital in Bedford, MA. His military service began in World War I, where he became Second Lieutenant in the Infantry. He served in the Panama Canal Zone and Philippines during World War II and was appointed a Colonel in the Medical Corps and Director of the Board of Health Laboratory at Gorgas Hospital in the Canal Zone in 1948. Elton published widely on various subjects in several medical journals throughout his career and became one of the foremost experts on yellow fever in the 1950s.

**Series/Scope and Content Note:** This collection includes papers and research material gathered by Elton, primarily for his studies of yellow fever in Central America in the 1940s and 1950s, when he served on the Canal Zone Board of Health. Additional background material on the Board of Health Laboratory and yellow fever research dates to the late 1800s and early 1900s. Materials include Panama Canal Zone government documents, correspondence, patient records, reprints, notes, photographs, news clippings, maps, x-rays, and slides. The series have been determined by subjects, as identified in the original donation of materials.

#### **SERIES 001: BOARD OF HEALTH RECORDS**

This series includes material related to the history of the Board of Health Laboratory from 1907 to 1958, including correspondence, reports, publications, photographs and reprints from BOH staff and others on the subject of yellow fever and other tropical diseases. Additional items of note include the CVs of major figures involved in BOH work and a tribute to William Crawford Gorgas (1954).

#### **SERIES 002: YELLOW FEVER GENERAL RESOURCE MATERIALS**



This series includes annual reports, surveys, correspondence, conference materials, speeches, and dozens of reprints of studies on yellow fever, primarily from the 1940s and 1950s.

#### **SERIES 003: REGIONAL STUDIES**

This series includes material from yellow fever exhibits, maps, publications and photographs from studies conducted in Mexico, Central America, South America and the United States.

#### **SERIES 004: MONKEY STUDIES**

This series contains material related to monkey studies conducted in Costa Rica from 1949 to 1954 and includes correspondence, gross pathology images and supplemental study data.

#### **SERIES 005: PUBLICITY**

This series includes clippings from newspapers in Costa Rica and Panama, publicity items used by the BOH and others, a file on mishaps and difficulties encountered, and photographs.

#### **SERIES 006: DEATH REGISTER**

This series consists of a book titled *French Canal Zone Death Register: 1895-1905*.

#### **SERIES 007: SLIDES**

This series includes pathology slides (2"x2") from Panama, Costa Rica and Nicaragua cases, Vargas monkeys, and diatoms. Lantern slide subjects include blood values, study data, maps, statistics, epidemiological patterns, equipment and pathology.

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#### **SERIES 001: BOARD OF HEALTH RECORDS**

##### **Box 001:**

00001: Board of Health Laboratory—Correspondence and Case Reports (1910-32)



00002: Photostats and Negatives: Letter from Samuel T. Darling, Chief of Laboratory to Superintendent (7/22/12)

00003: Photos and Negatives: Pathological Exam Notes

00004: Photo Negatives: Population and Death Statistics, Canal Hospital Records

00005: Laboratory Development of the Isthmus of Panama, Misc. Records Assembled by Herbert C. Clark (1/11/36)

00006: Some Historical Notes—Medical Association of the Isthmus Canal Zone, by Herbert C. Clark

00007: Board of Health Laboratory—Historical (1941-60)

00008: Lewis Beales Bates (1883-1961)

00009: Clippings: Bohan Casket Trial

00010: Board of Health Laboratory—Correspondence and Reports (1948-52)

00011: Board of Health Laboratory—Correspondence and Reports (1953-58)

00012: CVs: Norman W. Elton, Joel Shrager, Carl M. Johnson, John Draheim, John R. McLavy (ca. 1952)

00013: "Fifty Years of American Medicine on the Isthmus of Panama"

00014: Panama Canal Review

00015: "Your Health"—The Panama Canal Health Department

00016: Photostats and Photographs: BOH

00017: Reprints: BOH Lab Staff (1907-15)

1. "Apparatus and Methods of Testing Disinfectants"—Kendall
2. "Discovery of the Mosquito Theory—Method of Controlling and Suppressing the Disease"
3. "Report of a Case of American Relapsing Fever"—Baetz
4. "Report of a Bilharziosis Case in Panama"—Baetz
5. "The Wasserman Test in the Tropics"—Bates
6. "Le Bacille de Bang et sa Biologie"—Nowak
7. "The Effects of Certain Drugs on the Pathogenic Entamoebae of the Human Intestines"—James
8. "A Method of Transmitting Blood Parasites"—Kolmer
9. "Treponema Pallidum Found at Autopsy, in the Blood-Stream and Elsewhere, in a Case of Congenital Syphilis"—Clark and Gates



00018: Reprints: BOH Lab Staff (1920-23)

1. "A Chart Presenting the Incidence of the More Common Causes of Death on the Panama Canal Zone Found at Autopsy During the Years 1904 to 1916, Inclusive"—Clark
2. "Determining the Flight of Mosquitos"—Zetek
3. "Relapsing Fever in Panama"—Bates, Dunn and St. John
4. "Contribution del Laboratorio Iturbe en el 3er. Congreso Venezolano de Medicina"—Iturbe y Gonzalez
5. "The Relapsing Fever Spirochete of Panama"—St. John and Bates
6. "Suggestion of Spirochaeta Neotropicalis as Name for Spirochete of Relapsing Fever Found in Panama"—Bates and St. John

00019: Reprints: Bulletin of the Antivenim Institute of America (1927-29)

00020: Reprints: BOH Labs Staff (1930-48)

1. "Rearing the Larvae of Dermatobia Hominis Linn., in Man"—Dunn
2. "Anopheles Neomaculipalpus. A New Species of the Arribalzagaia Group of Anopheles From Panama"—Curry
3. "Recognition of Anopheles Argyritarsis by the Characteristics of the Male Genitalia"—Curry
4. "The Practical and Research Value of Mosquito Traps"—Bath
5. "Experimental Efforts to Transfer Monkey Malaria to Man"—Clark and Dunn
6. "Coronary Occlusion and Sudden Death"—DeCoursey
7. "The First Fatal Case of Chagas' Disease Observed on the Isthmus of Panama"—DeCoursey
8. "Malaria in the Panama Canal Department United States Army"—Callender and Gentzkow
9. "Death Due to Akee Poisoning in Panama"—Kean
10. "Causes of Death of Children on the Isthmus of Panama"—Kean
11. "Equine Trypanosomiasis—Murrina of Panama"—Clark

00021: Reprints: BOH Lab Staff (1944-57)

1. "A Simple Method of Staining Malaria Protozoa and Other Parasites in Paraffin Sections"—Tomlinson and Grocott



2. "Sarcosporidiosis or Toxoplasmosis in Man and Guinea-Pig"—Kean and Grocott
3. "The Causes of Death on the Isthmus of Panama"—Kean
4. "Studies on Q Fever in Panama"—de Rodaniche and Rodaniche
5. "Helminths in Rats From Panama City and Suburbs"—Calero, Ortiz, and de Souza
6. "A Case of Canine Toxoplasmosis From the Canal Zone"—Grocott
7. "Coccidioidin Sensitivity on the Isthmus of Panama"—Tucker
8. "Histoplasmosis: Fourth Case Report From the Canal Zone"—Draheim, Mitchell and Elton
9. "Fat Disease of the Liver in Infants on the Isthmus of Panama"—Howard and Meriwether
10. "Helminthology"—Caballero y Grocott
11. "Herpes Simplex Encephalitis"—Draheim and de Rodaniche
12. "Spontaneous Cryptococcosis of Marmoset Monkeys in Panama"—Takos and Elton
13. "Experimental Cryptococcosis Produced by the Ingestion of Virulent Organisms"—Takos
14. "Generalized Cytomegalic Inclusion Disease of an Adult in Panama"—Takos
15. "Sarcocystis in the Kinkajou"—Takos
16. "Notes on Sarcosporidia of Birds in Panama"—Takos

**Box 002:**

00001: Camp Indian Bay, Florida

00002: Reprints and Clippings: William Crawford Gorgas

1. "Sanitation in the Canal Zone"—*Journal of the American Medical Assoc.*
2. "Sanitary Conditions as Encountered in Cuba and Panama"—*Medical Record*
3. "Health Conditions in the Canal Zone"—Press of the American Medical Association
4. "Recommendations as to Sanitation Concerning Employees of the Mines on the Rand Made to the Transvaal Chamber of Mines"—*JAMA*
5. "Sanitary Work on the Isthmus of Panama During the Last Three Years"—*Medical Record*



6. "Sanitation in Panama"—Address before Los Angeles Chamber of Commerce
7. "Methods of Quarantine Against Yellow Fever Adopted in Havana, Cuba, During the Year 1901"—Gorgas
8. "Sanitation of the Tropics With Special Reference to Malaria and Yellow Fever"—*JAMA*
9. "Mosquito-Borne Diseases"—Issued by the Health Department for use in the public schools of the Canal Zone
10. "The Practical Mosquito Work Done at Havana, Cuba, Which Resulted in the Disappearance of Yellow Fever from that Locality"—*Washington Medical Annals*
11. "Sanitation at Panama"—*JAMA*
12. "Address of the President of the American Society of Tropical Medicine at the St. Louis Meeting, June 11, 1910: The Expenses Necessary for Sanitation in the Tropics"—Press of the AMA
13. "Disappearance of Yellow Fever from Havana, Cuba"—*The Medical News*

00003: A Tribute to William Crawford Gorgas (1954)

00004: Reprints: Leishmaniasis and Histoplasmosis

1. "The Histopathology of Cutaneous Leishmaniasis in Panama"—Thornburgh, Johnson, and Elton
2. "Histoplasmosis: Fourth Case Report From the Canal Zone"—Draheim, Mitchell and Elton
3. "Histoplasmosis en Colombia"—Galvis
4. "Probable Polypous Forms of Leishmaniasis of the Nose"—Jaffe
5. "La Histopatologia Cuanea de Leismania en Panama"—Thornburgh, Johnson, and Elton
6. "Historia del Primer Caso Clinico de Leishmaniosis Visceral Descubierto en Guatemala"—Cabrera y de Leon
7. "Comprobacion del Poder Patogeno Para Hombre de Cultivos de Leishmania Brasiliensis Vianna, 1911"—Trejos y Echandi
8. "Isolation of Histoplasma capsulatum and Allescheria Boydii from Soil"—Ajello



9. "The Need for Mycological Diagnostic Services in the Public Health Laboratory"—Ajello
10. "Collecting Specimens for the Laboratory Demonstration and Isolation of Fungi"—Ajello
11. "Isolation of *Histoplasma capsulatum* from Soil"—Zeidberg, Dillon and Runyon
12. "The Effect of Tubercl Bacillus Concentration Procedures on Fungi Causing Pulmonary Mycoses"—Ajello, Grant and Gutske
13. "Report of Two Additional Cases and an Analysis of the Pathogenesis of Ainhum on the Isthmus of Panama"—Butz and Elton
14. "Spontaneous Cryptococcosis of Marmoset Monkeys in Panama"—Takos and Elton
15. "Occurrence of *Histoplasma Capsulatum* and other Human Pathogenic Molds in Panamanian Soil"—Ajello
16. "Nasal Leishmaniasis Americana in Panama"—Jaffe
17. "Histoplasmosis: Unraveling the Panamanian Puzzle"—Peabody
18. "Acute Pulmonary Histoplasmosis on the Isthmus of Panama"—Young, Cleve and Vicente-Mastellari

00005: Photostats: Histoplasmosis

00006: Reprints: Yellow Fever (1941-49)

1. "Resultados del Examen de Las Primeras 5,000 Muestras de Higado Human Obtenidas en Colombia Para el Estudio de La Fiebre Amarilla"—Galvis
2. "Ausencia de Fiebre Amarilla en el Valle del Usumacinta"—Bustamente, Kumm and Herrera
3. "Organizacion de una Colonia de *Haemagogus Equinus Theobald*"—Mesa
4. "Epidemiologia de la Fiebre Amarilla Selvatica en Colombia Durante Los Ultimos Anos"—Manrique, Bugher, Garcia and Mesa
5. "La Eficacia de la Vacunacion en la Prevencion de la Fiebre Amarilla en Colombia"—Bugher y Gast-Galvis
6. "Studies on Mosquitoes of the Genus *Haemagogus* in Colombia"—Kumm, Osorno-Mesa, and Boshell-Manrique



7. "Metodos Usados en Colombia Para el Estudio del Virus de la Fiebre Amarilla"—Garcia y Bates
8. "Factors Influencing the Uneven Distribution of Aedes Aegypti in Texas Cities"—Chandler
9. "Tres virus neurotropicos aislados de mosquitos selvaticos en los Llanos Orientales de Colombia"—Garcia
10. "Indigaciones Sobre Epidemiologia de Fiebre Amarilla Selvatica en los Departamentos de Sentander y Boyaca"—Boshell-Manrique y Osorno-Mesa
11. "Epidemiology and Incubation Period of Jaundice Following Yellow Fever Vaccination"—Freeman
12. "Immunity to Yellow Fever Five Years After Vaccination"—Anderson and Gast-Galvis

00007: Reprints: Yellow Fever (1950-54)

1. "Observations of Diurnal Forest Mosquitoes in Relation to Sylvan Yellow Fever in Panama"—Galindo, Trapido, and Carpenter
2. "A Study of the Concentration of Yellow Fever Virus Which Will Infect Certain Species of Aedes Mosquitoes"—Kumm and Laemmert
3. "Notas sobre la dispersion del genero 'Haemagogus' en America del Sur y su importancia en la epidemiologia de la fiebre amarilla selvatica"—Castillo
4. "Die Epidemiologie des Buschgelbfiebers in Sudamerika"—Levi-Castillo
5. "The Night-Resting Habits of Monkeys in a Small Area on the Edge of the Semliki Forest, Uganda. A Study in Relation to the Epidemiology of Sylvan Yellow Fever"—Lumsden
6. "Fiebre Amarilla Selvatica en Bolivia"
7. "Brote de Fiebre Amarilla Selvatica en Santo Domingo de Los Colorados, Ecuador"—Garcia
8. "Viscerotomia en Colombia"—Gast-Galvis
9. "Epidemiology of Yellow Fever in Panama (1949-1952)"—Calvo and Galindo
10. "The Elephant Never Forgets"—Fred L. Soper
11. "Die Epidemiologie des Buschgelbfiebers in der Kustenebene von Ecuador"—Levi-Castillo



12. "Yellow Fever in Bolivia, Its History and Epidemiology"—Belvier, Torres-Munoz, and Doria-Medina
13. "Yellow Fever as a Model for the Study of Arthropod-Borne Virus Infections"—Kerr
14. "Clinica y laboratorio de la fiebre amarilla en Costa Rica"—Trejos
15. "Yellow Fever in Middle America"—Elton
16. "Fifty Years of American Medicine on the Isthmus of Panama"—Minton, Muller, and Cohen
17. "Fiebre amarilla en ninos menores de doce anos"—Romero
18. "La puncion biopsia del higado con aguja de Silverman"—Miranda
19. "Report of a Case of Yellow Fever in Trinidad, B.W.I."—Anderson, Spence and Downs
20. "Seeking the Intermediate Host: A Narrative of the Yellow Fever Board"—Standlee
21. "Yellow Fever at Southern Beach"—Simon

00008: Reprints: Yellow Fever (1955-57)

1. "Forest Canopy Mosquitoes Associated With the Appearance Sylvan Yellow Fever in Costa Rica, 1951"—Galindo and Trapido
2. "A Survey of Forest Mosquitoes in Relation to Sylvan Yellow Fever in the Panama Isthmian Area"—Trapido, Galindo and Carpenter
3. "Historical Evidence for Interference Between Dengue and Yellow Fever"—Frederiksen
4. "Natural Yellow Fever Infection in a Monkey"—Gast-Galvis, Anderson, and Hill
5. "The Isolation of Yellow Fever Virus From Human Liver Obtained at Autopsy"—Anderson and Wattley
6. "Isolation of Yellow Fever Virus From a Human Patient on the Twelfth Day of Illness"—Downs, Anderson and Spence
7. "A Regional Reconnaissance on Yellow Fever in the Sudan: With Special Reference to Primate Hosts"—Taylor, Haseeb and Work
8. "Survey of Mosquitoes Captured in Honduras For Yellow Fever Virus"—de Rodaniche



9. "The Investigation of a Sylvan Yellow Fever Epizootic on the North Coast of Honduras, 1954"—Trapido and Galindo
10. "Activities of the Trinidad Regional Virus Laboratory in 1953 and 1954 with Special Reference to the Yellow Fever Outbreak in Trinidad, B.W.I."—Downs, Aitken, Anderson
11. "The Isolation of Yellow Fever Virus from the Livers of Naturally Infected Red Howler Monkeys"—Anderson and Downs
12. "El Avance de la Fiebre Amarilla Selvatica Hacia el Noroeste de la America Central"—Boshell
13. "Survey of Primates Captured in Panama, R.P. During the Years 1952-1956 for Protective Antibodies Against Yellow Fever"—de Rodaniche
14. "Virus Antibody Survey on Sera of Residents of the Amazon Valley in Brazil"—Causey and Theiler
15. "Progress in Medical Virology"—Berger and Melnick
16. "Yellow Fever in the Lower Matagua Valley, Guatemala"—Boshell and Bevier
17. "Measures Against Yellow Fever Entry Into the United States"—Hughes and Porter
18. "The Blackham Lecture, 1958: Yellow Fever and Its Prevention"—Boyd
19. "A Small Outbreak of Yellow Fever in the Gold Coast"—Boorman and Porterfield
20. "The Arthropod-Borne Group of Animal Viruses"—Cassals

00009: Yellow Fever Photo Data

00010: Photos: Pathology

1. Misc. Cases

**Box 003:**

00001: Photos: Pathology

1. Dr. Herrera's First Case in Yellow Fever Outbreak in 1948
2. Misc. Pathology—Various Case #s
3. Yellow Fever Pathology—Livers
4. Yellow Fever Pathology—Case # A-7468 and A-7509
5. Yellow Fever Pathology—Case # A-7577



6. Yellow Fever Pathology—Case # A-18097
7. Yellow Fever Pathology—Case # A-18277
8. Pathology Negatives

00002: Narrative to Accompany Liver Slides from Ten Representative Cases of Yellow Fever in Panama and Costa Rica (1948-52)

00003: Mortality Statistics—Central America (1881-1906)

00004: Notebook: Field Study of Quartermaster Clothing and Equipment for the Tropics

00005: Report of the Field Study of Quartermaster Clothing and Equipment for the Tropics, Vol. 1

00006: Report of the Field Study of Quartermaster Clothing and Equipment for the Tropics, Vol. 2

00007: Report of the Field Study of Quartermaster Clothing and Equipment for the Tropics, Vol. 3

00008: Report of the Field Study of Quartermaster Clothing and Equipment for the Tropics, Vol. 4

00009: Clothing Test: Notes and Photographs

00010: Negatives: Col. Elton's Work on Clothing and Malarial Control

00011: Note cards: Ova of the Parasitic Worms of Man

00012: Negatives of Charts of Clinical Pathology of Yellow Fever

## **SERIES 002: YELLOW FEVER GENERAL RESOURCE MATERIALS**

### **Box 004:**

00001: Historical Summary of Yellow Fever in Panama (1881-1950)

00002: Reprints: James Zetek (ca. 1920s)

1. "The Control of Breeding of Yellow Fever Mosquitoes in Ant-Guards, Flower Vases and Similar Containers"

2. "Como Evitar la Cria de Larvas de Mosquitos en 'Canjilones,' Floreros, etc."

00003: Annual Report of the Gorgas Memorial Laboratory (1937)

00004: American Association of Pathologists and Bacteriologists 46<sup>th</sup> Meeting (1949)

00005: Yellow Fever: Federal Security Agency Correspondence (1949-52)

00006: Yellow Fever—AFIP Confirmation Material Received (1951-52)



00007: Yellow Fever—Department of HEW Correspondence

00008: Foreign Epidemiological Survey—Public Health Service

00009: Yellow Fever—Misc. Correspondence (1952-53)

00010: Yellow Fever Conference, Washington DC (Dec. 21-22, 1954)

00011: Yellow Fever—Misc. Correspondence (1954-56)

00012: Yellow Fever—Misc. Correspondence (1957-58)

00013: Yellow Fever—Notes From Publications, Speeches and Related Studies

1. "Yellow Fever Vaccinations"—Smithburn, Deneux, Koeber, Penna, Dick
2. "Aedes Aegypti"
3. "Yellow Fever and its Prevention"—Boyce
4. "Notes on Yellow Fever in Mexico"—Connor
5. "The Isthmus and Yellow Fever"—Guthrie
6. "Aesculapius in Latin America"—Moll
7. "Yellow Fever, An Epidemiological and Historical Study"—Carter
8. "William Crawford Gorgas"—Marie D. Gorgas
9. "Proceedings of the Thirteenth Seminar, The American Society of Clinical Pathologists, on Medical Diseases of the Kidney"
10. "Pathology of the Liver in Yellow Fever"—Klotz
11. "Histology of Yellow Fever When Death is Delayed"—Villela
12. "Malaria in Panama"—Callender
13. "Sanitation in Panama"—Gorgas
14. "Dispersion of Forest Mosquitoes in Brazil"—Causey, Kumm, Laemment
15. "History of Yellow Fever"—Augustin
16. "Central America"—Augustin
17. "Yellow Fever"—Sawyer
18. "Public Health Measures Advisable for Protection of the Southern U.S."
19. "Narrative to Accompany Liver Slides from Ten Representative Cases of Yellow Fever in Panama and Costa Rica"
20. "Costa Rican Case Histories"
21. "Yellow Fever in the Anglo-Egyptian Sudan: Historical"—Findlay

00014: Yellow Fever—Vaccine Material

00015: Yellow Fever Illustrations by Elton—Black and White Photos



**Box 005:**

00001: Reprints: W.H. Hoffman

1. "Die Leber beim afrikanischen Gelbfieber"
2. "El diagnostic Histo-Patologico de la fiebre amarilla"
3. "Die pathologische Anatomie des Gelbfiebers"
4. "Das gelbe Fieber"
5. "Zur pathologischen Anatomie des Gelbfiebers"
6. "Prognose des Gelbfiebers"

00002: Reprints: Osler, Sternberg, Balfour, Herrera/Elton/Nicosia

1. "Report on the Etiology and Prevention of Yellow Fever"—Sternberg
2. "The Wild Monkey as a Reservoir for the Virus of Yellow Fever"—Balfour
3. "La Aparicion en Panama de un Brote de Fiebre Amarilla"—Herrera, Elton and Nicosia

00003: Reprints: Rudolph Matas

1. "Personal Experiences and Reflections on Yellow Fever"
2. "Noguchi"—a review of Eckstein
3. "Nursing in Yellow Fever and the Duties of Trained Nurses in Epidemics"

00004: Reprints: de Rodaniche, Bevier, Torres-Munoz, Doria-Medina, Clark

1. "Survey of Live Forest Animals for Protective Antibodies Against Yellow Fever in Panama"—de Rodaniche
2. "Yellow Fever in Bolivia, Its History and Epidemiology"—Bevier, Torres-Munoz, Doria-Medina
3. "Endemic Yellow Fever in Panama and Neighboring Areas"—Clark

00005: Reprints: Fred L. Soper

1. "The Elephant Never Forgets"  
"Yellow Fever in the Caribbean"

00006: Reprints: Courtney, Fonseca, Miranda, Collias and Southwick

1. "Report on the Recent Outbreak of Jungle Yellow Fever in Panama"—Courtney
2. "Diagnostico Anatomo-Patologico rapido de la Fiebre Amarilla"—Fonseca
3. "Comportamiento de algunas pruebas de ictericia en la fiebre amarilla"



4. "A Field Study of Population Density and Social Organization in Howling Monkeys"—Collias and Southwick

00007: Reprints: Hanh and Bugher, Theiler, Rockefeller Foundation

1. "The Stability of Chick Embryo Yellow Fever Vaccine During Storage"—Hahn and Bugher
2. "The Action of Sodium Desoxycholate on Arthropod-Borne Viruses"—Theiler
3. "Kyusanur Forest Disease"—Rockefeller Foundation

00008: Reprints: Kumm, Laemmert, Causey

1. "Periodicity in the Annual Incidence of Reported Cases of Yellow Fever During the Past Fifty Years"—Kumm
2. "The Susceptibility of Howler Monkeys to Yellow Fever Virus"—Laemmert and Kumm
3. "The Geographical Distribution of Immunity to Yellow Fever Among the Primates of Brazil"—Kumm and Laemmert
4. "Dispersion of Forest Mosquitoes in Brazil: Further Studies"—Causey, Kumm, and Laemmert

00009: Reprints: Liverpool School of Tropical Medicine (1905-1913)

1. "Yellow Fever Prophylaxis in New Orleans"—Boyce
2. "Yellow Fever Bulletin"—Vol. II, No. 1; Vol. II, No. 3; Vol. II, No. 4

00010: International Congress of Clinical Pathology Yellow Fever Exhibit Guest Book

00011: Reprints: Chagas Disease, Correspondence and Photographs

1. "The First Fatal Case of Chagas' Disease Observed on the Isthmus of Panama"—DeCoursey
2. "Fatal Acute Chagas' Disease in a North American in the Canal Zone"—Enos and Elton
3. "Un Nuevo Foco de Tripanosomiasis Humana por el Trypanosoma Rangeli Descubierto en Guatemala"—de Leon
4. "El Trypanosoma Rangeli: Observado en Seres Humanos en Guatemala"—de Leon
5. "Tripanosomiasis rangeli"—Zeledon



**Box 006:**

00001: Reprint: "La Aparicion en Panama de un Brote de Fiebre Amarillo en su Forma 'Selvatica,' Descubierto por el Examen Postmortem," Herrera, Elton, Nicosia (1949)

00002: Reprint: "Pathological Features of Yellow Fever in Panama," Elton (1950)

00003: Reprint: "Histopathology of the Kidney in Yellow Fever," Elton

00004: Reprint: "Yellow Fever in Middle America," Elton

00005: Reprint: "The Currently Active Yellow Fever Wave Approaching Mexico," Elton

00006: Reprint: "Progress of Sylvan Yellow Fever Wave in Central America: Nicaragua and Honduras," Elton (1952)

00007: Reprint: "Sylvan Yellow Fever in Central America," Elton (1952)

00008: Reprint: "Histopatologia Renal en Fiebre Amarillo," Elton (1952)

00009: Reprint: "Public Health Aspects of the Campaign Against Yellow Fever in Central America," Elton (1952)

00010: Reprint: "Yellow Fever in Panama: Historical and Contemporary," Elton (1952)

00011: Reprint: "Anticipated Progress of Sylvan Yellow Fever in Nicaragua: Plan for Attempt to Block its Course in Honduras," Elton (1952)

00012: Reprint: "Fiebre Amarillo en America Central," Elton (1952)

00013: Reprint: "Project to Block the Progress of Jungle Yellow Fever in Northern Honduras, and Its Calculated Risks and Failures," Elton (1953)

00014: Reprint: "Naturally Acquired Yellow Fever in Wild Monkeys in Costa Rica," Elton & Vargas-Mendez (1953)

00015: Reprint: "Clinical Pathology of Yellow Fever," Elton (1953)

00016: Reprint: "Anticipated Progress of Yellow Fever in Guatemala and Mexico, 1955-59," Elton (1955)

00017: Reprint: "Yellow Fever in Central America: The Imminent Threat to Mexico and the U.S.," Elton (1956)

00018: Reprint: "Contemporary Yellow Fever in Middle America," Elton (1956)

00019: Reprint: "Contemporary Sylvan Yellow Fever in Mexico: The Waning Threat to the US," Elton (1958)

00020: Dr. Van der Bergh Materials: Correspondence, Reports, Etc. (1928-54)

00021: Reprint: "Comportamiento de algunas pruebas de ictericia en la fiebre amarilla,"



Miranda (1953)

00022: Reprints: Samuel T. Darling

1. "The rectal inoculations of kittens as an aid in determining the identity of pathogenic entamoebae"
2. "Thyroid Orchitis"
3. "The Use of Bismuth Salts in Media to Detect the Formation of Sulphur Bodies of Bacterial Origin: A Preliminary Note"
4. "Linguatula Serrata (Larva) in a Native Central American"
5. "Two Cases of Anaphylactic Serum Disease Over Six Years After the Primary Injection of Horse-Serum"
6. "Murrina, A Trypanosomal Disease of Horses in Panama, and the Means Used in Controlling an Outbreak"
7. "Equine Trypanosomiasis in the Canal Zone"
8. "Oriental Sore in Panama"
9. "Recent Progress in Antimalaria Work with Special Reference to Anopheles Flight As Studied on the Isthmus of Panama"
10. "Studies in Relation to Malaria"
11. "Notes on Histoplasmosis—A Fatal Disorder Met With in Tropical America"
12. "The Identification of the Pathogenic Entamoeba of Panama"
13. "Equine Piroplasmosis in Panama"
14. "Bacillus Desenteriae Recovered from the Peripheral Blood and Stools of Cases in Panama"

00023: Reprint: "Hepatitis, Yellow Fever and Dengue,"—W. Paul Havens (1954)

00024: Reprint: Elbert DeCoursey on Chagas' Disease

00025: Reprint: "Tropical Diseases," Chalgren and Baker (1946)

00026: Reprint: "Fifty Years of American Medicine on the Isthmus of Panama," Minton, Muller, and Cohen (1954)

00027: Reprint: "Observations on Diurnal Forest Mosquitoes in Relation to Sylvan Yellow Fever in Panama," Galindo, Trapido, and Carpenter (1950)

00028: Yellow Fever Resources: Henry W. Kumm (1951-56)

00029: Yellow Fever Resource: Dr. Augusto Gast-Galvis (1952)

00030: Yellow Fever Resource and Reprints: Rudolph Matas



- 00031: Note: Epizootic Yellow Fever in Central America (1956-57)
- 00032: George M. Callender—Biographical Sketch (1953)

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- 00002: Monkey Study: Correspondence and Reports (1949-51)
- 00003: Monkey Study: Gross Pathology [1 of 2]
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- 2. Case Nos. 18945-49
- 3. Vargas Monkeys—Yellow Fever in Costa Rica: 6398; 6403-05; 6451-57; 6465-68; 6521-28; 6543-49 (nos. 1A: 1-29)
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20. Epizootic Areas in Costa Rica, Jungle Yellow Fever Activity of Panama Wave in 1951-52
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